

The 26th Kyushu Symposium on Partial Differential Equations

Organizers: Shuichi Kawashima (Kyushu University)
Shin-Ichiro Ei (Kyushu University)
Yoshiyuki Kagei (Kyushu University)

Date : January 26 – January 28, 2009

Venue : Kyushu University (Hakozaki Campus) International Hall

Program

January 26 (Monday)

- 14 : 00 ~ 14 : 50 Enrique Zuazua (Basque Center for Applied Mathematics)
Large time asymptotics for partially dissipative hyperbolic systems
- 15 : 00 ~ 15 : 50 Mishio Kawashita (Hiroshima University)
An inverse problem for the heat equation from a viewpoint of the enclosure method
- 16 : 10 ~ 17 : 00 Hideo Kubo (Tohoku University)
On the radiation fields for nonlinearly perturbed wave equations exterior to an obstacle

January 27 (Tuesday)

- 10 : 00 ~ 10 : 50 Kazuhiro Takimoto (Hiroshima University)
On the removability of level sets for some fully nonlinear equations
- 11 : 00 ~ 11 : 50 Kota Ikeda (Tohoku University)
Instability of multi-spots in the shadow system of the Gierer-Meinhardt model
- 14 : 00 ~ 14 : 50 Izumi Takagi (Tohoku University)
Movement of planar closed curves driven by bending energy
- 15 : 00 ~ 15 : 50 Kaori Nagatou (Kyushu University /JST PRESTO)
Computer assisted proofs for differential equations

16 : 10 ~ 17 : 00 Matthias Winter (Brunel University)
Spikes for the Gierer-Meinhardt System with Variable Coefficients

Banquet

January 28 (Wednesday)

10 : 00 ~ 10 : 50 Tetsuo Tsuchida (Meijo University)
Long-time asymptotics of heat kernels for one-dimensional elliptic operators with periodic coefficients

11 : 00 ~ 11 : 50 Stephen Gustafson (University of British Columbia)
Low degree Schrödinger and Landau-Lifshitz maps

14 : 00 ~ 14 : 50 Thierry Gallay (University of Grenoble I)
Interaction of vortices in two-dimensional viscous flows

15 : 00 ~ 15 : 50 Tohru Nakamura (Kyushu University)
Stationary wave for compressible viscous and heat-conductive fluid in half space

16 : 10 ~ 17 : 00 Mitsuru Sugimoto (Nagoya University)
Limiting absorption principle in the critical case and Sommerfeld radiation condition

This symposium is supported by

Japan Ministry of Education, Science and Culture, Global COE Program
“ Mathematics-for-Industry ” (Project Leader: Masato Wakayama)

and

the JSPS grant in aid for scientific research

Basic Research (B) 18340040 (S. Kawashima)

Basic Research (B) 19340033 (Y. Kagei)